

**Missouri Assessment Program
Spring 2004**

Science

Scoring Guide for Released Items

Grade 7

Session: 1
Item: 5
Page: 5
Standard: III.B.3 (Std 1)
Goals: 1.10

Key Elements:

B

If one bulb goes out, the others will still work.

OR

No matter how many lights there are, they will all have the same brightness.

Score Points:

2 points two key elements

1 point one key element

0 points Other

Session: 1
Item: 7
Page: 7
Standard: II.C.1 (Std 8)
Goals: 2.1, 4.4

Key Elements:

(a) _____

No

AND*one of the following:*

- No one should do experiments without consent forms from individuals involved.
- Harm in the form of embarrassment or ridicule could happen to individuals involved.
- It is an invasion of privacy.

Note: No, may be implied.

(b) _____

Individuals should be asked after the taping and consent should be obtained.

OR

Before taping, individuals should be asked for their consent to be videotaped at unguarded and possibly embarrassing moments.

Note: It is possible to have both (a) and (b) answered correctly in (a) if the answer addresses the need for permission. For example: "No, because you have to ask the people."

Score Points:

2 points two key elements

1 point one key element

0 points Other

Session: 1
Item: 8
Page: 8
Standard: VII.B.2 (Std 3)
Goals: 1.10

Key Elements:

(a) _____

one of the following:

- Chloroplasts perform photosynthesis.
- Chloroplasts produce sugars/food.
- Chloroplasts give off oxygen.

(b) _____

two of the following:

- They require sunlight.
 - They require carbon dioxide (CO₂).
 - They require water (H₂O).
 - They require minerals.
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Score Points:

2 points one key element from (a) **AND** two key elements from (b)

1 point either 1 key element from (a) or 2 key elements from (b) OR 1 key element from (a) and 1 key element from (b)

0 points Other

Session: 1
Item: 13
Page: 11
Standard: VI.B.5 (Std 5)
Goals: 1.10

Key Elements:

Sunlight strikes Earth and its atmosphere more directly at or near the equator than at areas of higher latitude, which heats land/ocean/atmosphere more at or close to the equator than elsewhere.

OR

any other response that indicates the student's correct understanding of how sunlight affects patterns of decreasing temperature as one goes from the equator toward areas at higher latitude

Score Points:

1 point one key element

0 points Other